Vector-borne Disease Surveillance in Canada, 2024

MOSQUITO-BORNE DISEASES

190
West Nile virus cases

Sex
64% 36%

Age Groups

Other mosquito-borne diseases

4
Eastern equine encephalitis virus (EEEV) cases

2024 had the **highest** number of **EEEV** cases reported in one year in Canada.

TICK-BORNE DISEASES

5,809
Lyme disease cases

Sex
56% 44%

Age Groups

673
Anaplasmosis cases

Sex
61% 39%

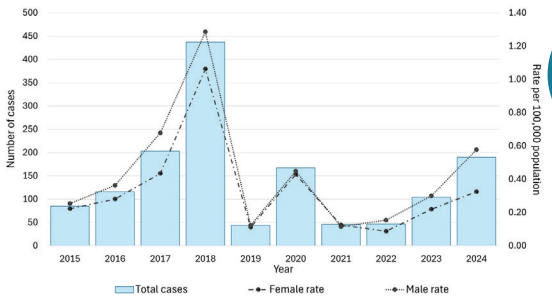
Age Groups

Other tick-borne diseases

10
Babesiosis cases

3
Powassan virus disease cases

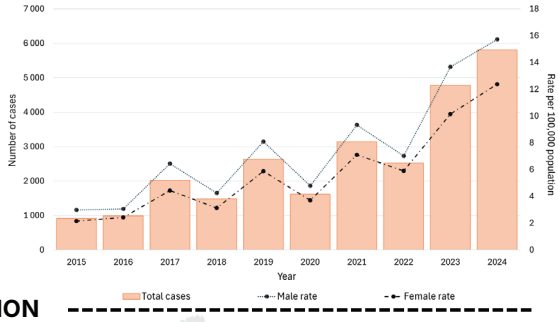
Reported **West Nile virus** cases and rates, **2015 to 2024**



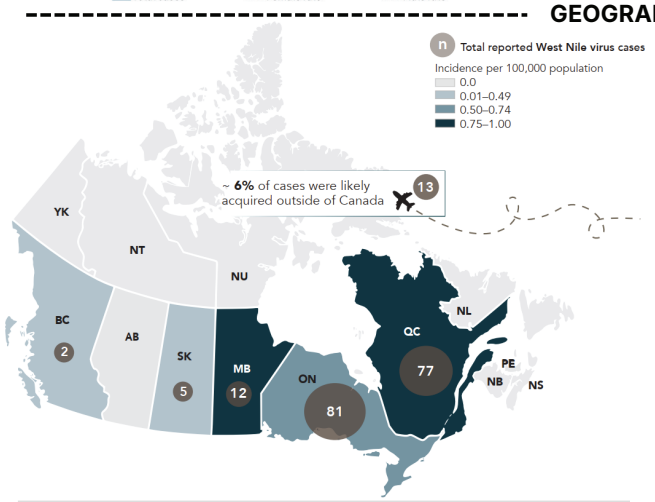
2024 case counts were **HIGHER** than the 2019–2023 5-year average (n=82)

2024 case counts were **HIGHER** than the 2019–2023 5-year average (n=2,942)

Reported **Lyme disease** cases and rates, **2015 to 2024**

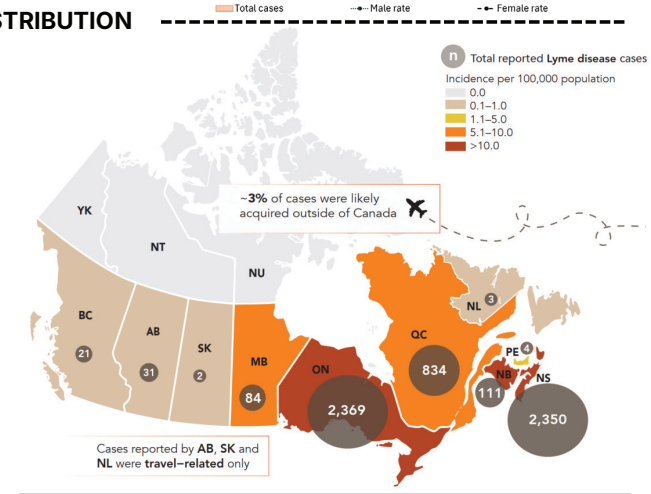


GEOGRAPHIC DISTRIBUTION



Other mosquito-borne diseases

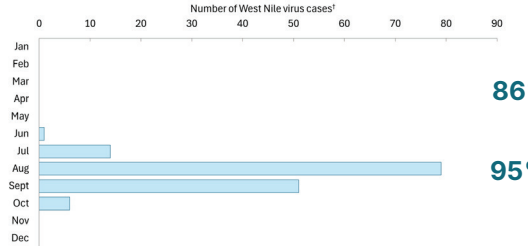
EEEV cases were reported in **Ontario** and **Québec**.



Other tick-borne diseases

Of the **673** cases of **anaplasmosis**, over 93% were reported in **Nova Scotia (69%)** and **Ontario (24%)**.

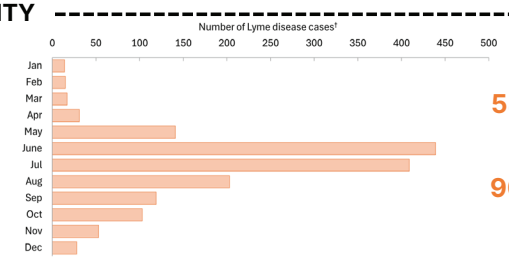
SEASONALITY



86% Illness onset in **August** and **September**

95% Illness onset between **July** and **September**

†Case records where date of illness onset was not provided (n=26) are not included in this analysis



54% Illness onset in **June** and **July**

90% Illness onset between **May** and **October**

†Case records where date of illness onset was not provided (n=4,237) are not included in this analysis

For more information, visit the Vector-borne Disease Surveillance in Canada dashboard pages:
https://health-infobase.canada.ca/?category=Zoonoses

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